Subject: Re: IDL 8.0 image() scaling
Posted by chris_torrence@NOSPAM on Tue, 08 Mar 2011 19:01:57 GMT
View Forum Message <> Reply to Message

On Mar 8, 9:32 am, Henry Throop <thr...@boulder.swri.edu> wrote:
> Let's say I've got a small 2D array, and I want to use IDL 8.0
> graphics to display it, filling up the whole window. Certainly there
> must be some simple way to do this, but I can't figure it out! I can
> do
>
> IDL> im = image(dist(20))
>
> but this just puts the tiny image at the screen center, unscaled (one
> pixel per pixel). I can then use
>
> IDL> im.scale, 20, 20
>
> to zoom it. Or I can use the mouse and grab the handles, but of course
> I don't want to do that every time. In earlier versions I'd always use
> rebin(), but it seems like IDL 8.0 *should* do this properly by
> itself. In fact, image() will automatically scale *down* the image if
> it's larger than the screen size; what I want is for it to also scale
> *up* the image when it's too small.
>
> How do I do this? None of the seemingly obvious combinations of /
> INTERPOLATE, IMAGE_DIMENSIONS, DIMENSIONS, etc. do it.
>
> Thanks,
> -Henry

Hi Henry,

I think you could do the following:

```
p=plot(findgen(20),findgen(20),/nodata)
im=image(dist(20),/overplot)
```

Cheers,
Chris
ITTVIS

Subject: Re: IDL 8.0 image() scaling
Posted by Henry Throop on Tue, 08 Mar 2011 19:36:08 GMT
View Forum Message <> Reply to Message

That's perfect Chris -- thanks!

-Henry

Subject: Re: IDL 8.0 image() scaling
Posted by Mark Piper on Wed, 09 Mar 2011 00:46:56 GMT
View Forum Message <> Reply to Message

Or:

i=image(dist(20), position=[0.1,0.1,0.9,0.9])

A 50% reduction in statements over Chris' solution. (Yesss!)

mp